Navy ACTD/JCTD Course Agenda
12 July 2006

- 1300 Overview of Navy's ACTD/JCTD Program Karen Lane, DASN(RDT&E)
  - ACTD and JCTD descriptions
  - Why Lean Six Sigma?
    - Pilot process for FY08

- 1400 The Joint Warfighting Requirement
  - COCOM Critical Warfighting Needs Mike Meyers, CFFC N8
  - "Fleet" speak vs "Tech" speak

- 1430 Building a competitive proposal Karen Lane, DASN(RDT&E)

- 1500 Selection process Pete Wolt, OPNAV N8F

- 1545 After approval John Blewett, ONR
  - Guidance for developing the ID, MP and XP
  - Reporting and Review Requirements
  - Lessons Learned
  - Where to get help

- 1600 Adjourn

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Overview of Navy's ACTD/JCTD Program

Ms. Karen Lane, DASN (RDT&E)

Advanced Concept Technology Demonstrations (ACTDs) and Joint Capability Technology Demonstrations (JCTDs)

Advanced Concept Technology Demonstrations (ACTDs)

- ARE:
  - Designed to demonstrate technologies and CONOPS that fill gaps in warfighting capability
    - Joint Warfighter is the customer
    - Focused on JOINT needs and gaps
  - Quicker than normal acquisition process
  - Means to demonstrate radical technology and concept solutions
  - Means to take advantage of technology advancements before adversaries can adapt
  - R&D funded

- ARE NOT
  - Acquisition programs
  - A venue to push projects not required by the Warfighter
  - A “pot of money” to fix program shortfalls
  - Easy……

What are Joint Capabilities? (AS&C Perspective)

- **Multi-Service Core Military Capabilities (80%)**
  Common denominator Military forces provided worldwide as self-integrated, self-sustaining echelons by the Services. (Global Positioning System, Movement Tracking System)

- **Joint Enabling Capabilities**
  Additional capabilities required by warfighters to exercise joint command, and to enable core military elements to function effectively as a coherent joint force.
  (Network Centric Operations, Common Operational Picture)

- **Unique Regional/Specified Mission Requirements**
  Capabilities beyond common core military capabilities for warfighters to effectively function in operational environments associated with assigned regional or specified missions. (Foliage Penetrating Radar, Language Translators)

ACTD/JCTD Target Area

ACTD/JCTD Target Area

Joint is an inter-Service reliance acting together as one - not a patchwork of deconflicted Service operations.

(General Tommy Franks, excerpts from *American Soldier)*

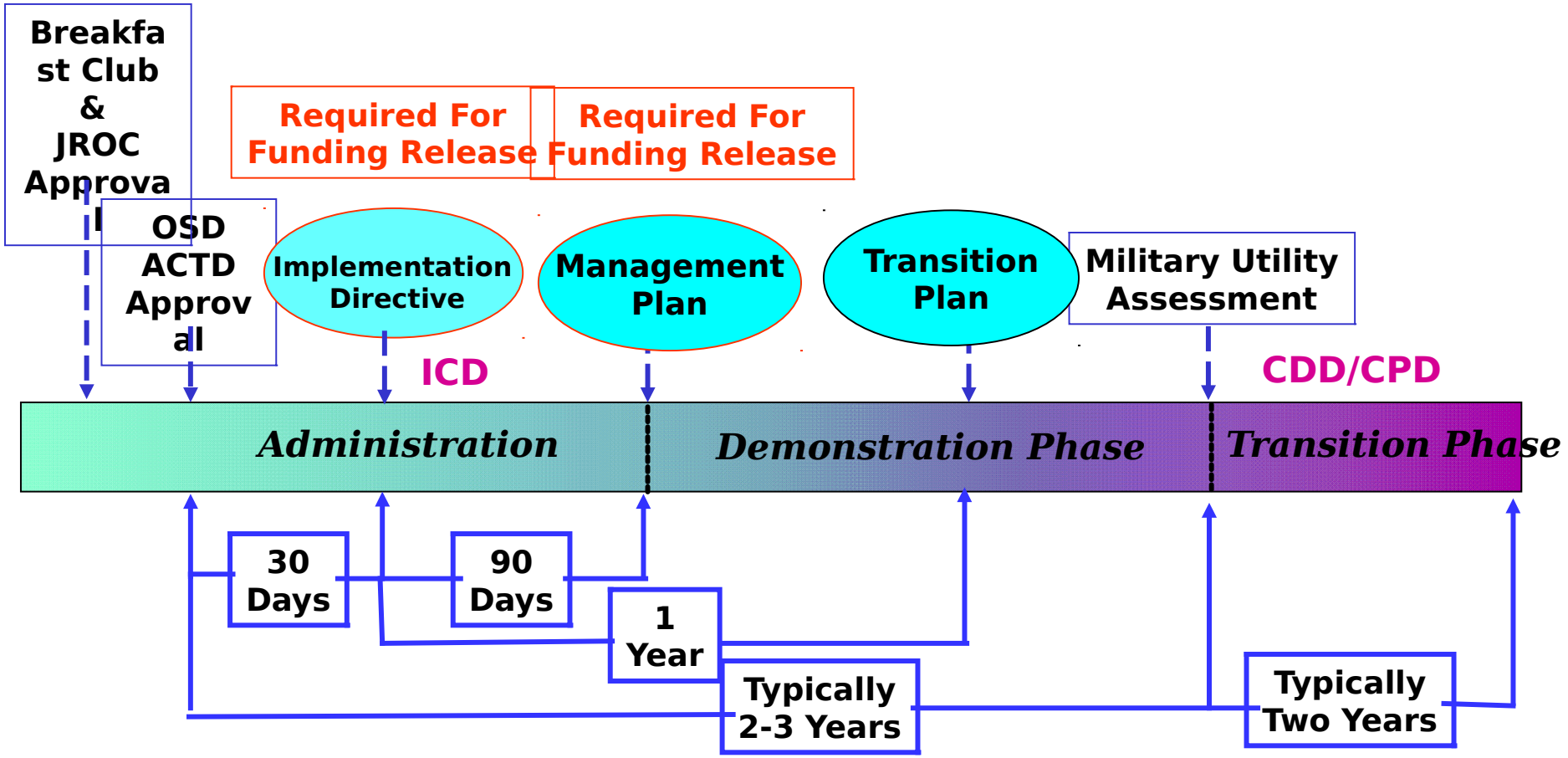
Identify the “win-wins”

- Tension in the process
  - Service budgets not available to fund COCOM needs
  - ACTDs are a new requirement during the execution year
- Identify common areas of interest to create the “win-win”
  - Address needs of multiple COCOMs and Services
  - Pool resources to finance ACTD costs
  - Leverage existing programs and ACTDs

ACTD Anatomy

- Addresses a ***joint warfighting*** need with a ***mature technology (TRL 5+)***
- ***Joint,*** often includes coalition partners and other U.S. Government
- Multiple Funding Sources - OSD routinely provides ***10-30%*** funding
- Managed by an ***integrated team***
  - Lead Service/Agency: Transition Manager
  - Developer Service /Agency: Technical Manager
  - Sponsoring Combatant Commander: Operational Manager
- Provides a technical solution with demonstrated ***CONOPS***
- Evaluates solution in field demonstrations by warfighters
- ***Rapid:*** 1-3 Years – or less - to Final Demonstration/Prototype
- Residuals left with warfighter with 2 years support

ACTD Time Line



The ACTD Management Team

- ACTD management requires frequent and effective communication and collaboration across technical, operational and acquisition communities
- Ideally, the management team will begin coordination during the proposal stage
  - Technical Manager
  - Operational Manager
  - Transition Manager

Technical Manager

- Provide day to day technical direction
- Co-Develop Implementation Directive (ID) and Management Plan (MP)
- Manage ACTD contract(s) / acquisition instruments
- Deliver the advanced concept to the OM for demonstration
- Participate in the Military Utility Assessment (MUA) planning and
- Participate in the CONOP / TTP development
- Manage advanced concept configuration
- Participate in transition planning
- Develop Training Plan
- Contribute to development of DOTMLPF Recommendations
- Support ACTD during Extended User Evaluation (EUE)

Operational Manager

- Co-Develop ID and MP
- Manage, provide input on daily joint warfighter involvement
- Coordinate Components and other CoCOMs involvement
- Plan, schedule, execute operational demonstrations and exercises
- Develop joint CONOPS / TTPs with user participation
- Jointly develop DOTMLPF Recommendations
- Plan and conduct Joint / Coalition Military Utility Assessment (J/CMUA)
- Participate in transition planning
- Support ACTD during EUE

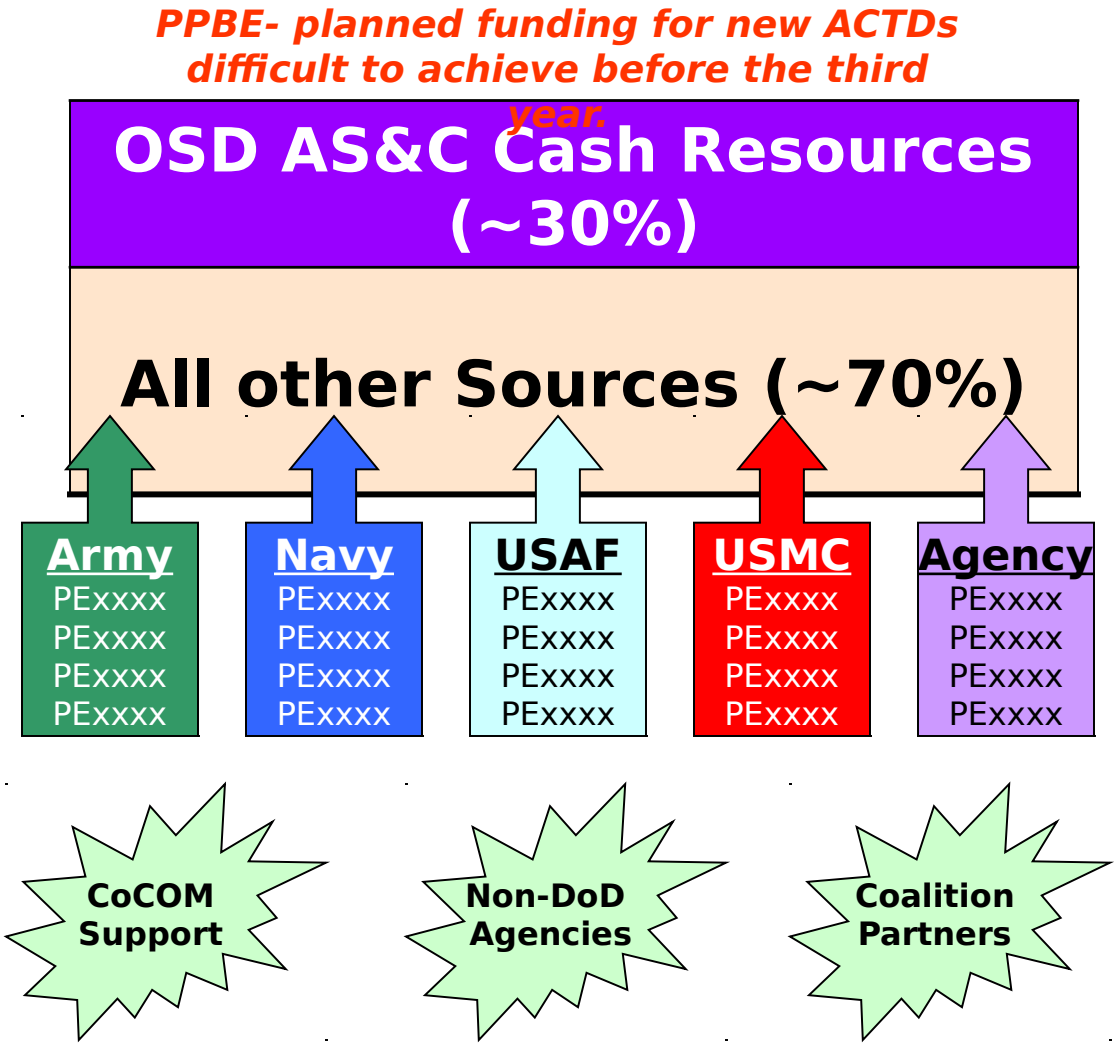
Transition Manager

- Co-Develop ID and MP
- Create and implement the Transition Plan Appendix to MP
- Plan for and support EUE
- Lead the Transition IPT
- Participate and contribute to the MUA planning
- Participate and contribute to the CONOPS / TTP development
- Identify / facilitate funding for transition / residual support
- Lead required document development (ICD, CDD, CPD)
- Lead Budget and POM development for transition to acquisition and facilitate with Services / Agencies

ACTD Funding Model

Description

- Front-end (start-up) and tail-end (transition) funding create serious PPBE challenges.
- Significant demonstration delays can accrue as Services revamp programs after JROC decisions (Avg time to obtain a signed ID is 6 months).
- Many different Program Elements (Little visibility at Service level)
- Projects require sustained commitment of resources
- Unfunded Requirements during execution cause significant risk and



Joint Capability Technology Demonstration (JCTD)

- Established in FY06, JCTDs will replace ACTDs over a 3-4 year transition period
- Enhancement of the ACTD program
  - Shorter execution timeline
  - Greater COCOM engagement in selection
  - Improved funding model
- JCTD funding model
  - Front end funds to incentivize Service participation
  - One/two year(s) of transition funding to bridge the S&T “Valley of Death”
  - DAE Pilot program – Use OSD funds and Service leadership to transition Joint / Coalition enabling systems into a fielded capability

ACTD-JCTD Wing Walk: Enhancing Business Model for Joint Customers

Combatant Commander remains the Primary Customer

Advance Concept Technology Demonstration (ACTD)	Joint Capability Technology Demonstration (JCTD)
o **Final Demonstration: 3-4 years**	• **Final Demonstration: 2 – 3 years with spiraled-out capabilities.** **Impact: Mature capabilities demonstrated to the joint warfighter faster.**
o **Challenging ACTD selection process: CoCom near-term versus rigid PPBE 2 year resource process.**	• **Greater CoCom Focus through JCTD Selection Process:** Stakeholders have decision in resource allocation for funds already set-aside. *Shift from only annual starts to rolling/flex start.* **Impact: JCTDs maintain relevancy/purposely resourced for success.**
o **OSD provides limited funds: Services required to "break" programs to fund new capabilities.**	• **JCTD Resources (Quick Start):** OSD provides majority funding for the first two years of the JCTD. (50-70% total OSD investment). **Impact: Accelerate JCTD initiation and increase funding stability.**
o **ACTDs face difficult Transition challenges, creating "joint & coalition orphans."**	• **JCTD Transition stability: Funding across the Acquisition process. DAE pilot program** **Impact: Prevents delays and provides a strong advocate for "joint orphaned" capabilities.**

Best aspects of proven ACTD program with more customer focus and flexibility

Performance Metric Comparison ACTD - JCTD

Performance Metric	ACTD	JCTD
Project Selection Focus	Threat Based: Shared Military Service and CoCom influence	Capability Based: Greater CoCom influence looking at nearer term **joint/coalition** needs. Start when need identified as well as annual cycle.
Spiral Technologies	No Metric currently established	Spiral Technology available within **one year** of JCTD initiation.
Final Demonstration Completed (Starting Point: Approved ID)	3 to 4 years after initiation (Implementation Directive (ID) Signed)	50% completed by the end of the 2nd year. All JCTDs completed by the end of the 3rd year.
Shared Funding and Visibility of resources	OSD provides no more than 30% of the budgeted resources. Funding provided from many different program elements.	OSD provide significantly more funding (more than 50% depending on cost of the JCTD), especially in the first two years.
Military Utility Assessment (MUA) conducted by an independent activity	MUA traditionally tied to a specific planned exercise for evaluation	JCTDs not necessarily tied to an exercise. Greater flexibility to establish military utility via operational "real-world" demonstration or specifically designed test / venue
Transition of technology	70% of ACTDs transition at least one product to sustainment	80% of JCTDs transition at least 50% of their products to sustainment

Source: FY 2006 President's Budget

ACTD-JCTD Transition Status

- FY06
  - Four “Hybrid” JCTDs based upon Jointness / Coalition, “niche/seam” assessment
  - EUCOM conference produced the first “rolling start” JCTD (RMAC)
  - JCTD Transition PE: Urban Recon first transition case
  - DAE Pilot PE: Currently sustaining JADOCS “joint peculiar” capability

- FY07/08
  - Expect “hybrid” JCTDs to be approved as OSD transitions away from ACTD model
  - Rolling start process will continue to mature
  - Expect Transition funds to be applied to executing JCTDs based on merit
  - Expect additional DAE pilot programs to be initiated for “joint peculiar” capabilities

Why Lean Six Sigma?

Why Lean Six Sigma?

- Problem… The Navy's ACTD proposal process was not well understood
  - No direct link to Navy S&T strategy
  - Unknown to what extent ACTDs close Navy requirements gaps
  - Development and review of proposals is manpower intensive
  - Perception that few proposals are approved resulting in questionable ROI
- Solution…DASN(RDT&E) initiated a Lean Six Sigma project to improve the Navy's ACTD proposal process
  - Navy core team with DUSD(AS&C), COCOM and other Service participation
  - Project scoped to include call letter development through Implementation Directive approval
  - Focus on increasing the Quality of Navy proposals to achieve a better ROI

What is Lean Six Sigma?

- Lean and Six Sigma are process improvement tools to improve productivity and customer satisfaction while reducing the cost of business
  - Lean – eliminates waste and streamlines process
  - Six Sigma – eliminates variation between delivered products and customer expectation
- Lean and Six Sigma tools are used in conjunction with the DMAIC process
  - Define the problem
  - Measure the baseline
  - Analyze to determine root causes of process shortfalls
  - Improve by designing innovative solutions
  - Control the improvements to maintain expected results

Define the Problem, Measure the Current State

- Customer survey helped to define problem
  - Proposals need to address joint warfighting gaps
  - Need early sponsor commitment of funding
  - Need better understanding of the process
- Process output metrics and goals established
- Baseline data collected

Output Metrics	Goal	Baseline
% Navy sponsors committed at Breakfast Club	80%	35%
% Navy led proposals approved by OSD	50%	25%
% Navy ACTDs ranked in at least one COCOM's top 5	80%	35%

Analyze the Data

- Brainstormed ideas were analyzed to determine why output goals were not being met
- Six root causes were identified
  - Proposal rating criteria are not clear
  - No early and/or regular communication with other Services' ACTD representatives and requirements officers
  - Proposers do not know how to communicate effectively with COCOMs (who/how/when?)
  - Proposers do not know how to communicate effectively with OPNAV sponsors (who/how/when?)
  - No process for comparing/cross referencing Service and COCOM gaps
  - No post-approval guidance in place

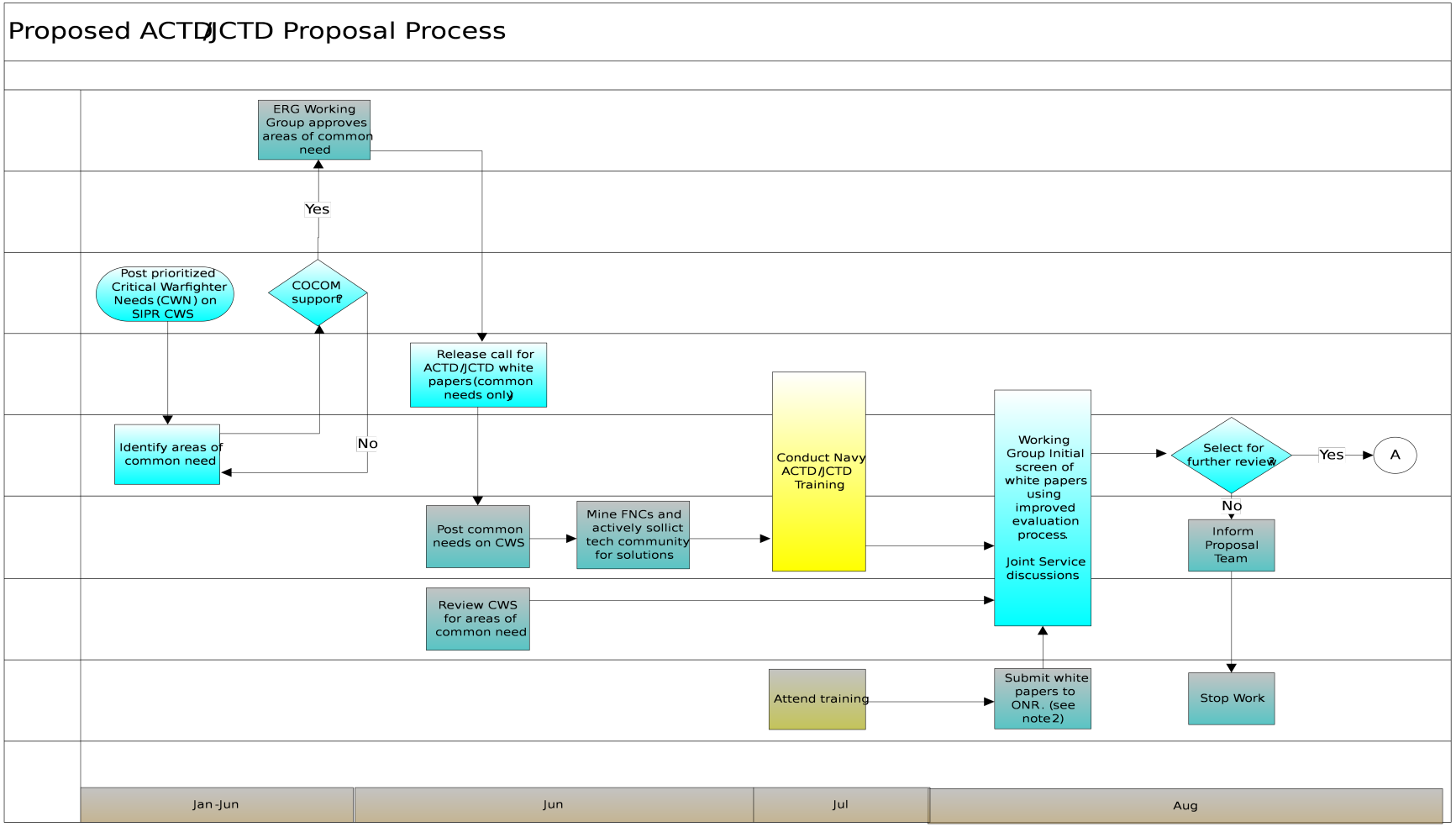
Develop the Solution Set

- Potential solutions were brainstormed, analyzed and refined
- 7 solutions were identified as having the most potential to improve the process
  - Improved Training
  - Improved Evaluation Process
  - COCOM/Service Collaborative Workspace
  - Integration of Navy Science Advisors into the Process
  - “Warfighter Driven” Call Letter
  - Publication and Discussion of COCOM Critical Warfighter Needs
  - “Post Approval” Handbook

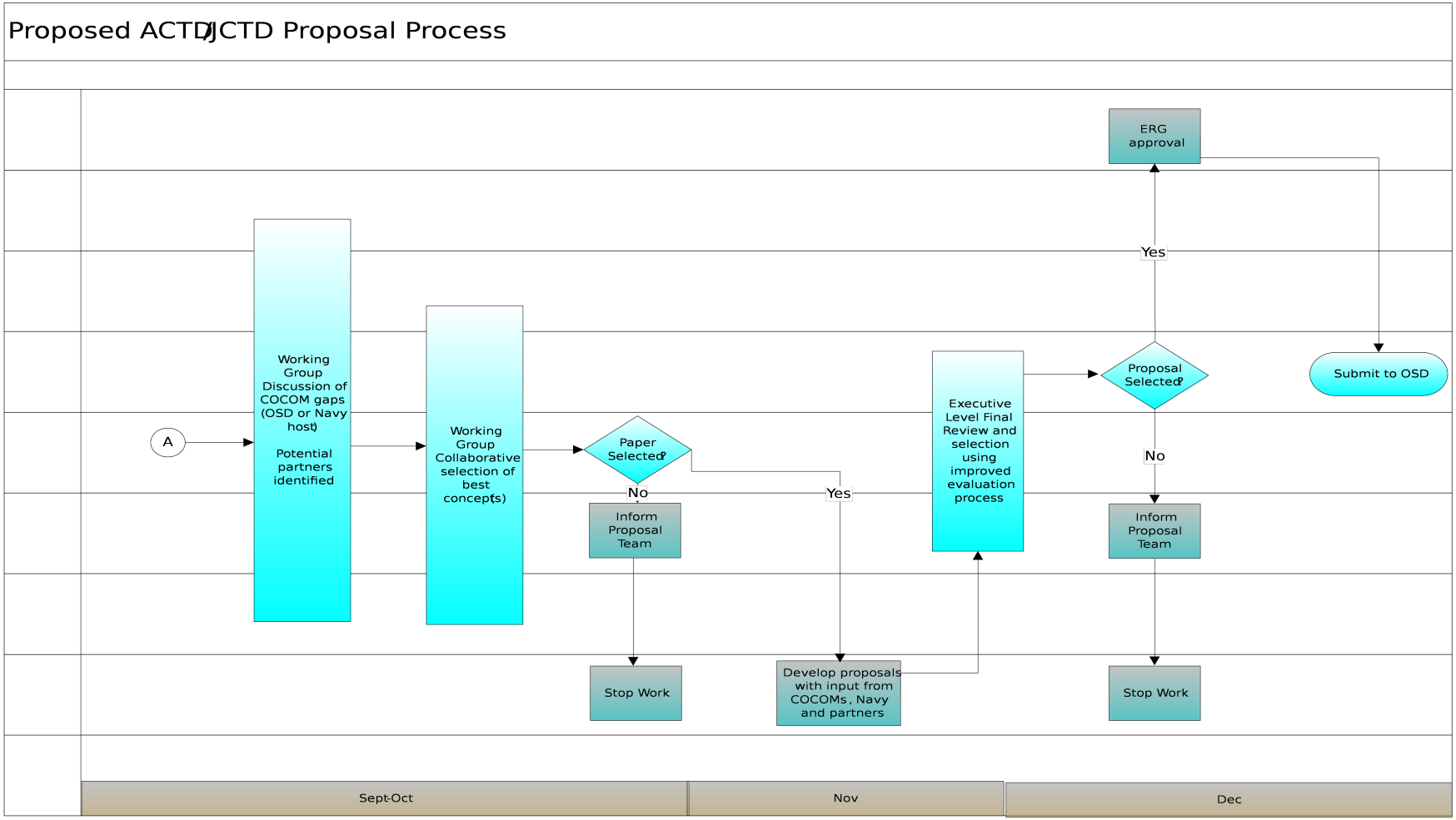
“To Be” Process Highlights

- Warfighter Driven Call letter targets areas of common COCOM/Navy interest
- Subject Matter Expert review of white papers selects most feasible concepts prior to full proposal development
- COCOM/Service discussion of needs and proposed solutions to determine concepts with “best fit” and partnering opportunities
- Full proposals developed with input from COCOMs and Services
- Proposals addressing areas other than those solicited in the call letter will be accepted at anytime during the year to preserve opportunity for game changing ideas
- Collaborative Workspace available to share needs, proposal review and other ACTD business

“To Be” Process Map


Proposed ACTD/JCTD Proposal Process
ERG Working Group approves areas of common need
Yes
Post prioritized Critical Warfighter Needs (CWN) on SIPR CWS
COCOM support?
No
Identify areas of common need
Release call for ACTD/JCTD white papers (common needs only)
Post common needs on CWS
Mine FNCs and actively sollict tech community for solutions
Review CWS for areas of common need
Conduct Navy ACTD/JCTD Training
Attend training
Working Group Initial screen of white papers using improved evaluation process.
Joint Service discussions
Submit white papers to ONR. (see note2)
Select for further review?
Yes
A
No
Inform Proposal Team
Stop Work
Jan-Jun
Jun
Jul
Aug
Customer Value Added Critical to customer
Business Value Added Transparent to customer, but required by business
Non Value Added Adds no value
Notes: (1) Secure Collaborative Work Space (SIPR CWS)
(2) White papers addressing areas not specified in the call letter may be submitted to ONR at anyt throughout the year

“To Be” Process Map


Proposed ACTD/JCTD Proposal Process
A
Working Group Discussion of COCOM gaps (OSD or Navy host)
Potential partners identified
Working Group Collaborative selection of best concept(s)
Paper Selected?
No
Yes
Inform Proposal Team
Stop Work
Develop proposals with input from COCOMs, Navy and partners
Executive Level Final Review and selection using improved evaluation process
ERG approval
Yes
Proposal Selected?
No
Inform Proposal Team
Stop Work
Submit to OSD
Sept-Oct
Nov
Dec
Customer Value Added Critical to customer
Business Value Added Transparent to customer but required by business
Non Value Added Adds no value
Notes: (1) Secure Collaborative Work Space (SIPR CWS)
(2) White papers addressing areas not specified in the call letter may be submitted to ONR at anyt
throughout the year

Next Steps

- Pilot as many solutions as possible during the FY08 cycle
  - Improved Training – Jul 06 (will survey attendees by e-mail)
  - Warfighter driven call letter – ~ 1 Aug 06
  - Improved evaluation criteria/process – Sept thru Dec 06
  - Collaborative selection and development of proposals – Oct thru Dec 06
- Forum to discuss COCOM Critical Warfighting Needs being considered by AS&C
- OSD/ONR investigating development of Collaborative Work Space
- Project now in Control Phase
  - Development of detailed process documentation
  - Identification of metrics/methods to sustain improvements
- Final process implemented following review of pilot results

Pilot Implementation Schedule
FY08 ACTD/JCTD Cycle

- 1 Aug 06: Issue Navy Call Letter
- 1 Sept 06: White Papers Due
- Sept-Oct 06: Initial Screen, COCOM discussions
- Oct 06-Jan 07: Full Proposal Development
- Feb 07: Breakfast Club

Lean Six Sigma Summary

- Process improvements should achieve Navy goals while decreasing manpower requirements
- Process suitable for ACTD and JCTD programs
- Piloting the solutions allows for further refinement of process
- Process improvements address customer concerns
    - Need better understanding of the process
    - Need early sponsor commitment of funding
    - Proposals need to address joint warfighting gaps

The Joint Warfighting Requirement

Mr. Mike Meyers, CFFC

Advanced Concept Technology Demonstrations (ACTDs) and Joint Capability Technology Demonstrations (JCTDs)

FY08 Call Letter Focus Areas

- Littoral ASW
  - Detection, classification, prosecution
  - Torpedo defense
- Maritime Security
  - Maritime Domain Awareness
  - Maritime Interdiction
    - Non-lethal vessel stopping
    - Boarding and search
      - Biometrics
- Fast Attack Craft (FAC) & Fast In-shore Attack Craft (FIAC) defense
  - Detect, classify, track, target, attack (Non-lethal)
- Naval Expeditionary Combat Command (NECC)
  - Riverine, Maritime Security, Cargo Handling
- Communication architectures

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Title of Project (Arial Bold 24 pt)

Organization/Code (Arial 24 pt)

Link to Page 2

OPERATIONAL NEED

Objective: Clear, concise (1-2 line) description of the goal of the effort (Arial 12 pt), (spell out all acronyms on slide once)

Value to Naval Warfighter:
- Max of three 1-line bullets on capability
- The answer to "so what", I.e. cost savings, improves mission
- (All above Arial 12 pt)

Gap or Sea Power 21 Area: # or I.e. Sea Strike (Arial 12 pt)

Impact if Not Addressed:
- Max of three 1-line bullets in non "engineering" speak
- Based on solid evidence, I.e. fleet operators
- Other sources/leveraging of Funding? (All above Arial 12 pt)

Picture or Graphic Here:
that illustrates technology or concept to a **non-expert**
Resolution <250 KB

PROPOSED SOLUTION

The Technology:
- Max of three 1-line bullets in non "engineering" speak
- Other services?, DARPA?, being leveraged?
- FORCEnet Compliance Cat? (all above in Arial 12 pt)

Similar/Related Projects:
- Max of two 1-line bullets
- All above Arial 12 pt

TRL: Current: __, Projected at end (FYXX) __ (Arial 12 pt)

Major goals/Schedule by Fiscal year:
- Max of three 1-line bullets (Arial 12 pt)
- Delivery of end product on…, LMUAs?
- Residuals? Transitions to XX program in FYXX

BUSINESS CASE

Key Metrics:
- Max of three 1-line bullets
-
- Arial 12 pt

Proposed Funding ($K): (all Arial 12 pt)
FY06 FY07 FY08 FY09 >>>

Partners:
- Has been socialized with the following service & commands
- Service and command endorsements from…(Arial 12 pt)

Transition Sponsor: I.e. PMA 007…(Arial 12 pt)

POC Contact Info: Dr. Wilbur Wright, (123) 123-1234

Building a Competitive Proposal

Ms. Karen Lane, DASN (RDT&E)

Advanced Concept Technology Demonstrations (ACTDs) and Joint Capability Technology Demonstrations (JCTDs)

Attributes of a Strong Proposal

- CLEAR statement of the problem being addressed – identify the focus area from the call letter
- Resource sponsor support…willing to reprioritize funding from executing PORs
- COCOM sponsor
- Rapid execution….spiral out capability ASAP
- Leverages on-going work (FNCs, IRAD, other agency, etc)
- Multiple partners (Services, Allies)
- Residuals ready for operational use
- Actively engaged transition sponsor (PEO/PM)

Why Proposals are Eliminated

- Problem statement poorly defined
- Technology maturity is questioned
- OPNAV not interested
- Not joint
- Duplicates other efforts
- Looks like an ECP to a Program of Record
- Funding not well defined
- Funding requirement too high (average $50M)
- Residuals provide little value to warfighter
- Weak transition plan

Summary Proposal Guidance
(details at http://www.onr.navy.mil/actd)

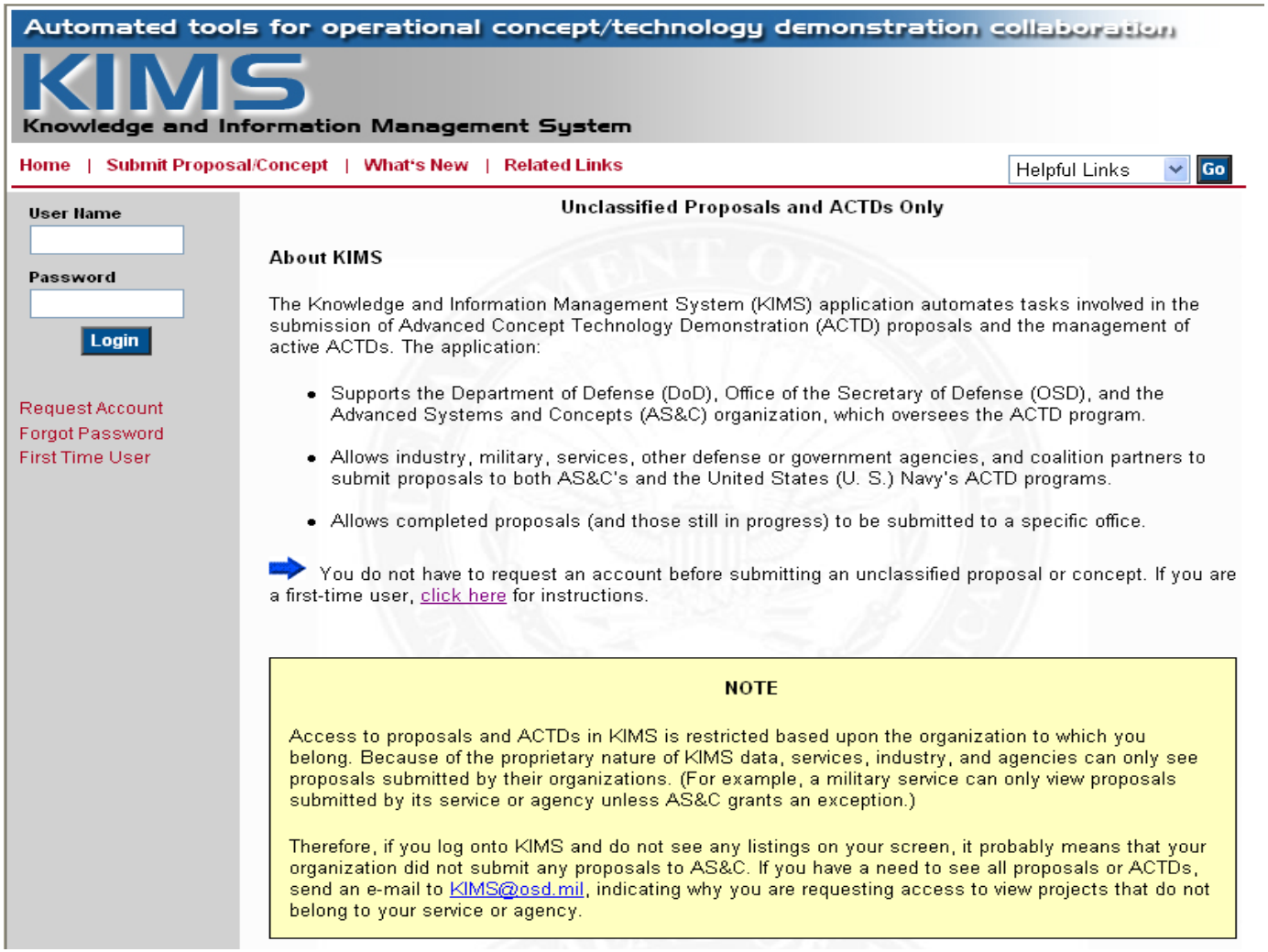
- Navy process requires ALL unclassified Navy-led proposals be input to the Navy section of OSD's Knowledge and Information Management System (KIMS)*

  https://kims.jpsd.belvoir.army.mil/ACTD/Web/KIMSHome.aspx

- Initial submittal requires
  - Quad Chart (*template*)
  - White Paper (3-4 pages)
    1. Military Problem
    2. Concepts and Technologies
    3. Support of Joint Operations
    4. Schedule
    5. Demonstrations
    6. Participants and Roles
    7. Sources of Funding & Spend Plan (*templates*)
    8. Technical, Funding and Schedule Risks
    9. Residual Assets/Capabilities
    10. Transition Strategy
    11. Transformational Potential

* Contact ONR for guidance on Classified proposal submittal

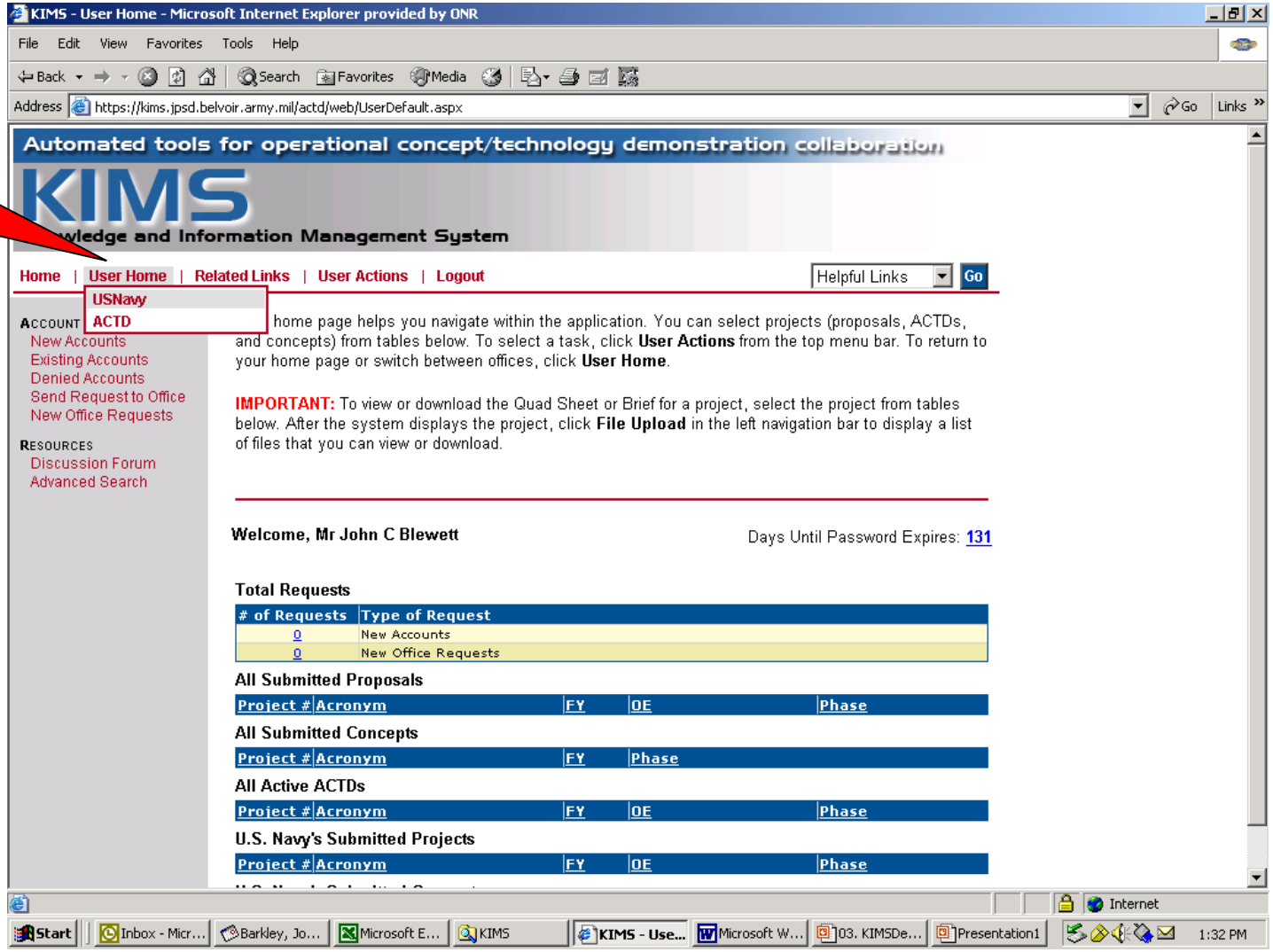
KIMS Entry Page


Automated tools for operational concept/technology demonstration collaboration
KIMS
Knowledge and Information Management System
Home | Submit Proposal/Concept | What's New | Related Links
Helpful Links
Go
User Name
Password
Login
Request Account
Forgot Password
First Time User
Unclassified Proposals and ACTDs Only
About KIMS
The Knowledge and Information Management System (KIMS) application automates tasks involved in the submission of Advanced Concept Technology Demonstration (ACTD) proposals and the management of active ACTDs. The application:
Supports the Department of Defense (DoD), Office of the Secretary of Defense (OSD), and the Advanced Systems and Concepts (AS&C) organization, which oversees the ACTD program.
Allows industry, military, services, other defense or government agencies, and coalition partners to submit proposals to both AS&C's and the United States (U. S.) Navy's ACTD programs.
Allows completed proposals (and those still in progress) to be submitted to a specific office.
You do not have to request an account before submitting an unclassified proposal or concept. If you are a first-time user, click here for instructions.
NOTE
Access to proposals and ACTDs in KIMS is restricted based upon the organization to which you belong. Because of the proprietary nature of KIMS data, services, industry, and agencies can only see proposals submitted by their organizations. (For example, a military service can only view proposals submitted by its service or agency unless AS&C grants an exception.)
Therefore, if you log onto KIMS and do not see any listings on your screen, it probably means that your organization did not submit any proposals to AS&C. If you have a need to see all proposals or ACTDs, send an e-mail to KIMS@osd.mil, indicating why you are requesting access to view projects that do not belong to your service or agency.

KIMS Entry to US Navy/USMC Proposal Submittal

All Navy Submittals Click Here!

All Navy and USMC proposals must be submitted to the Navy side of KIMS. You must also request KIMS membership on the Navy side.


KIMS - User Home - Microsoft Internet Explorer provided by ONR
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Automated tools for operational concept/technology demonstration collaboration
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ACCOUNT
New Accounts
Existing Accounts
Denied Accounts
Send Request to Office
New Office Requests
RESOURCES
Discussion Forum
Advanced Search
home page helps you navigate within the application. You can select projects (proposals, ACTDs, and concepts) from tables below. To select a task, click User Actions from the top menu bar. To return to your home page or switch between offices, click User Home.
IMPORTANT: To view or download the Quad Sheet or Brief for a project, select the project from tables below. After the system displays the project, click File Upload in the left navigation bar to display a list of files that you can view or download.
Welcome, Mr John C Blewett
Days Until Password Expires: 131
Total Requests
# of Requests | Type of Request
0 | New Accounts
0 | New Office Requests
All Submitted Proposals
Project # | Acronym | FY | OE | Phase
All Submitted Concepts
Project # | Acronym | FY | Phase
All Active ACTDs
Project # | Acronym | FY | OE | Phase
U.S. Navy's Submitted Projects
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Barkley, Jo...
Microsoft E...
KIMS
KIMS - Use...
Microsoft W...
03. KIMSDe...
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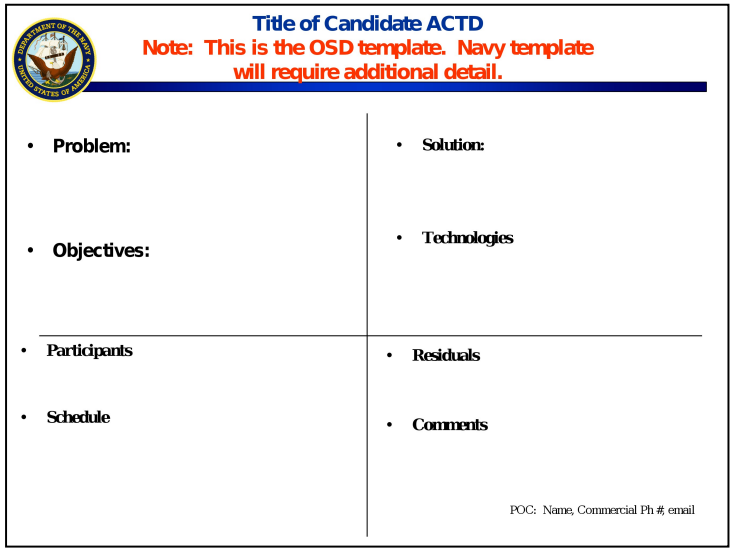
Title of Candidate ACTD

Note: This is the OSD template. Navy template will require additional detail.

- **Problem:**
- **Objectives:**
- **Solution:**
- **Technologies**
- **Participants**
- **Schedule**
- **Residuals**
- **Comments**

POC: Name, Commercial Ph #, ema

Quad Charts



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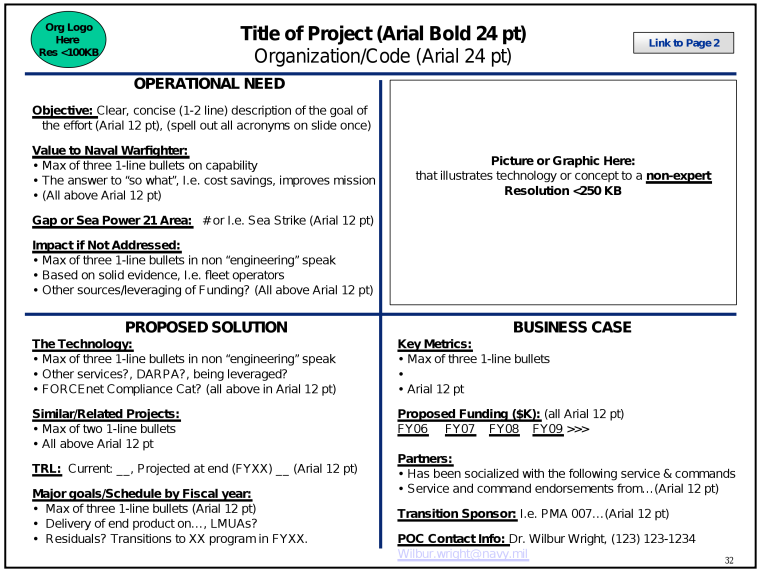
Will be populated by KIMS



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- Max of three 1-line bullets in non "engineering" speak
- Based on solid evidence, I.e. fleet operators
- Other sources/leveraging of Funding? (All above Arial 12 pt)

Picture or Graphic Here:
that illustrates technology or concept to a **non-expert**
Resolution <250 KB

PROPOSED SOLUTION

The Technology:
- Max of three 1-line bullets in non "engineering" speak
- Other services?, DARPA?, being leveraged?
- FORCEnet Compliance Cat? (all above in Arial 12 pt)

Similar/Related Projects:
- Max of two 1-line bullets
- All above Arial 12 pt

TRL: Current: __, Projected at end (FYXX) __ (Arial 12 pt)

Major goals/Schedule by Fiscal year:
- Max of three 1-line bullets (Arial 12 pt)
- Delivery of end product on…, LMUAs?
- Residuals? Transitions to XX program in FYXX.

BUSINESS CASE

Key Metrics:
- Max of three 1-line bullets
-
- Arial 12 pt

Proposed Funding ($K): (all Arial 12 pt)
FY06 FY07 FY08 FY09 >>>

Partners:
- Has been socialized with the following service & commands
- Service and command endorsements from…(Arial 12 pt)

Transition Sponsor: I.e. PMA 007…(Arial 12 pt)

POC Contact Info: Dr. Wilbur Wright, (123) 123-1234
Wilbur.Wright@navy.mil

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Upload to KIMS as a separate document

ACTD Funding Template

Yellow $$ cells are formula driven.

SAMPLE ACTD Candidate Funding Chart — *(Dollars in Thousands)*

Organization	(Note 1) Commitment	Type of Funding	[2] Funding Description	[3] Program Element (PE)	Project #	FY-05	FY-06	FY-07	FY-08	Total
USN/ONR	Committed	RDT&E/6.2	Cash	0602123N	N/A	$ 1,000	$ 1,000	$ 3,000	$ 3,000	$ 8,000
USAF/ACC	TBD	RDT&E/6.3	Cash	0603401F	5021	$ 1,000	$ 1,000	$ 3,000	$ 3,000	$ 8,000
USA/JPSD	Uncommitted	RDT&E/6.3	Cash	0603002A	800	$ -	$ 2,000	$ 4,000	$ 2,000	$ 8,000
USMC/MCWL	TBD	RDT&E/6.3	Cash	0603640M	N/A	$ -	$ 500	$ 500	$ 500	$ 1,500
NIMA	TBD	RDT&E/6.3	Cash	0305102BQ	N/A	$ 1,000	$ 2,000	$ 3,000	$ 1,000	$ 7,000
DTRA	Uncommitted	RDT&E/6.3	Cash	0602715BR	BF	$ 1,000	$ 2,000	$ 3,000	$ 1,000	$ 7,000
USAF/ACC	Committed	O&M	DINK	TBD	FlightHrs	$ 700	$ 700	$ 700	$ 700	$ 2,800
USMC/MCWL	Committed	RDT&E/6.3	DINK	N/A	Equipment	$ 1,000	$ 500	$ 1,000	$ 500	$ 3,000
			Total Service & Defense Agency			$ 5,700	$ 9,700	$ 18,200	$ 11,700	$ 45,300
DUSD (AS&C)		RDT&E/6.3	Cash	0603750D8Z	523	$ 3,200	$ 2,500	$ 2,100	$ 3,000	$ 10,800
					Total:	$ 8,900	$ 12,200	$ 20,300	$ 14,700	$ 56,100

		AS&C Percent Total:	19%
		AS&C Percent Cash:	21%

(1) Commitment comment only required for Candidates—assumed in ID/MP
(2) Funding description CRITICAL. Will not chop ID/MP without clear visibility
(3) Program Element (7 digit number). Not required for Program Element.
(4) DINK – Dedicated In-Kind

Spend Plan

- Include all ACTD costs
  - Management (including CSS for TM/XM/OM)
  - Facilities
  - Contractor costs
  - Demonstration and Assessment costs
  - Residuals (including 2 years of support)
  - Travel for all team members
- If you're not sure….ask!!

Spend Plan Template

Organization	Milestone Task	Required Funding ($M)							
		FY 06	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	Total
PMS-XXX	Contract Approval	$X.000							$X.000
NSWCCD	Development	$X.000							$X.000
NAVSEA 05X	Test & Evaluation		$Y.000						$Y.000
NAVSEA 05X	Certification Award		$Y.000						$Y.000
PMS-XXX	S TE		$Y.000						$Y.000
PEO-X	1st Procurement			$Z000	$Z000	$Z000	$Z000	$Z000	$Z000
PMS-XXX	1st Deployment				$Z000				$X.000
	Total	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000

Summary

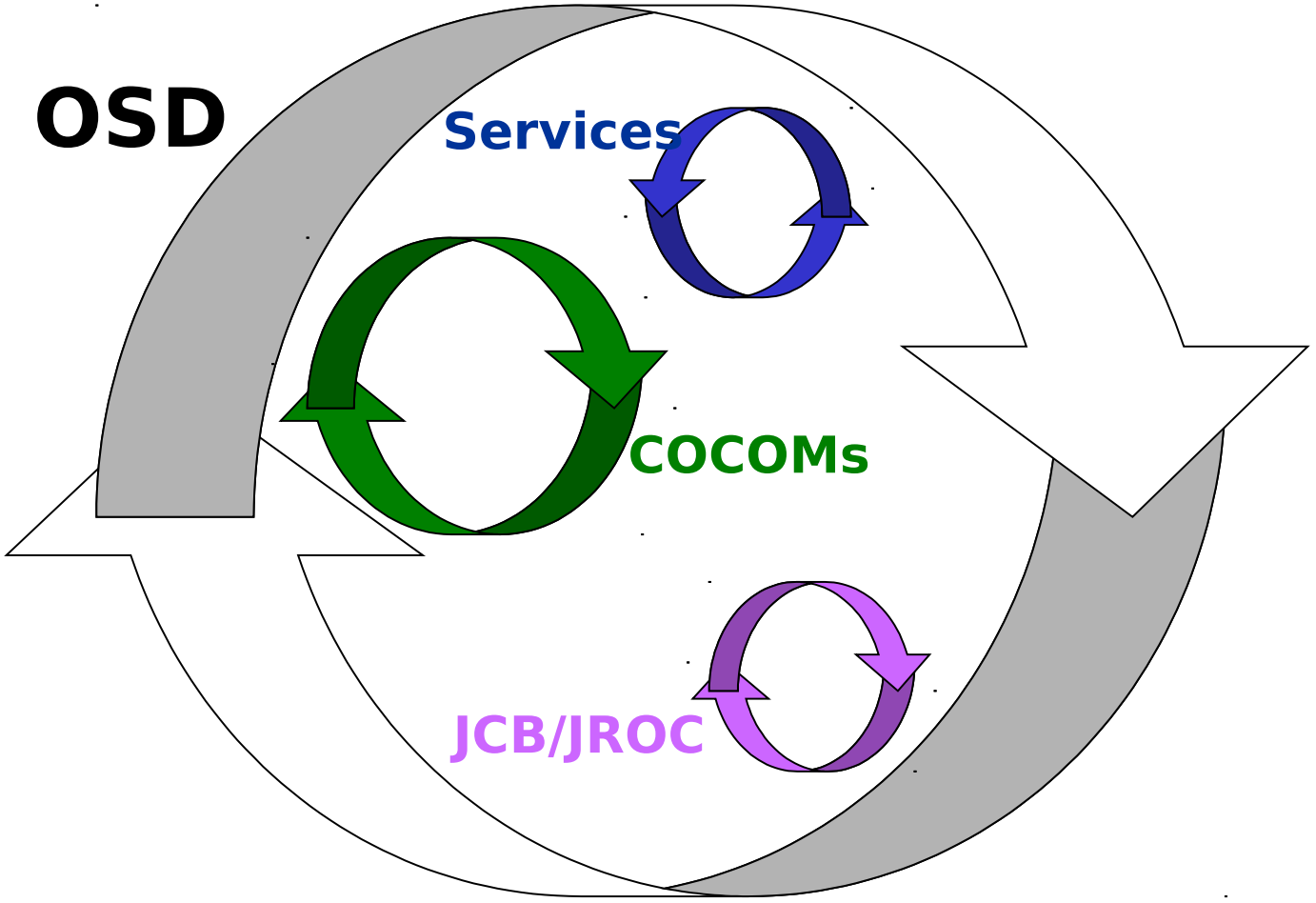
- Competitive proposals will address the needs specified in the DoN's call letter
- Clearly articulate your proposed solution in the white paper and quad chart – watch the "tech speak"!
- Input to KIMS by 1 Sept 06
- You will be provided feedback on your proposal
- If selected, expect input/collaboration from COCOM and Service reps as you develop the full proposal and brief
- The Navy's ACTD team will help you navigate the process!

Selection Process

Mr. Pete Wolt, OPNAV N8F13

Advanced Concept Technology Demonstrations (ACTDs) and Joint Capability Technology Demonstrations (JCTDs)

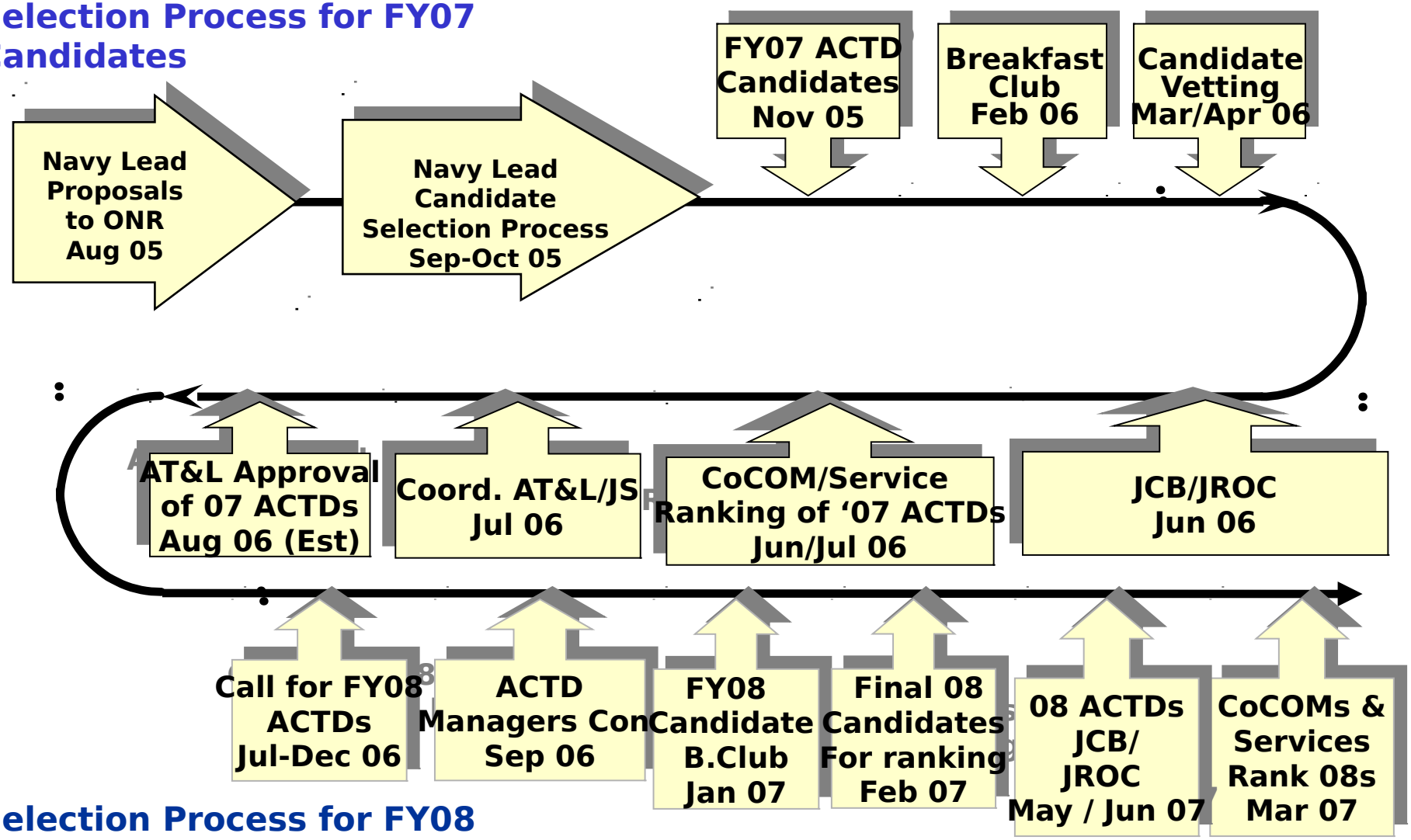
AC/JCTD Processes



DUSD (AS&C) executes AC/JCTD program, COCOM is the customer, Services provide funds

DUSD AS&C FY-07 & 08 ACTD Program Timeline

Selection Process for FY07 Candidates


Navy Lead Proposals to ONR Aug 05
Navy Lead Candidate Selection Process Sep-Oct 05
FY07 ACTD Candidates Nov 05
Breakfast Club Feb 06
Candidate Vetting Mar/Apr 06
JCB/JROC Jun 06
CoCOM/Service Ranking of '07 ACTDs Jun/Jul 06
Coord. AT&L/JS Jul 06
AT&L Approval of 07 ACTDs Aug 06 (Est)
Call for FY08 ACTDs Jul-Dec 06
ACTD Managers Con Sep 06
FY08 Candidate B.Club Jan 07
Final 08 Candidates For ranking Feb 07
08 ACTDs JCB/ JROC May / Jun 07
CoCOMs & Services Rank 08s Mar 07

Selection Process for FY08 Candidates

Key OSD (DUSD(AS&C)) Events

- Oversight Executives (OE) receive ~150 proposals (Dec)
- COCOMs, services, agencies view ~40 proposals at “Breakfast Club” (Feb)
- Refinement/elimination via series of weekly “Lunch Bunch” meetings (Feb-May)
- OE brief JCB working groups (Mar-Apr)
- Request for Service/COCOM ranking of ~20 proposals (Jun)
- OSD (AT&L) approves ~10 new start AC/JCTDs (Aug)

Navy ACTD New Start Process (The Players)

- Individual Roles and Responsibilities
  - DASN(RDT&E) provides oversight for ASN(RDA)
  - CNR collects candidates, validates TRLs, and coordinates ONR/NRL resources
  - N8F13 coordinates/validates requirements and resources
  - CFFC provides link to Sea Trial efforts and near term requirements
  - NWDC is responsible for CONOPS, a key element of ACTDs
- The Executive Review Group (ERG)
  - Chaired by DASN(RDT&E)
  - Voting members are DASN(RDT&E), CNR, N8, CFFC
  - Approves service “rack & stack” and focus areas

Navy funding

FY05 : $86.6M FY06 : $20.3M FY07 (est): $45.3M

Navy FY07 Key Events

EVENT	PERFORMER	DATE
Develop/Issue call letter	ONR/ASN (RDA)	May 2005
Review Navy-lead candidates (22 Candidates)	ONR/OPNAV/ DASN (RDT&E)	Nov 2005
Primary review by Resource Sponsor	OPNAV	Oct-Dec 2005
Submit Navy supported candidates to DUSD (AS&C)	ONR/ASN(RDA)	Jan 2006
Breakfast Club (32 Candidates)	Various	Feb 2006
Secondary review by Resource Sponsor	OPNAV	Feb-Apr 2006
Validate candidates	FCB/JCB/JROC	May 2006
Develop prioritized list of candidates (19 Candidates)	OPNAV/CFFC/ DASN/ONR	Jun-Jul 2006
Develop final ranking and approve FY07 new starts	OSD (AT&L)	Jul-Aug 2006

Navy Reviews

- Navy-led white paper proposals received and screened by ONR
- White papers reviewed with COCOMs/Services for sponsorships/partnerships
- Full proposal development
- ERG reps briefed on selected proposals
- Refinement and second brief if necessary
- Final downselect of proposals
- ASN(RDA) provides DUSD(AS&C) with candidates most likely to receive support
- Coordination/refinement of proposals continues

All Navy-led ACTD candidates will compete in this process!

Navy Review Criteria

- Military utility
  - Importance of problem being addressed
- Technology readiness
  - TRL >5 Required
- OPNAV and Fleet priorities
- Transition potential
  - POR committed to POM for capability
- Funding requirements
  - Normally <$50M
- COCOM and service priorities
  - 4 services, 9 COCOMs

Strongly Agree (5)	Agree (4)	Somewhat Agree (3)	Disagree (2)	Strongly Disagree (1)	ACTD ASSESSMENT FACTORS
					1. THE ACTD SUPPORTS J OINT CAPABILITY NEEDS
					a. Are COCOM(s) Sponsors lined up?
					b. Are at lease two Services/Agencies, Coalition Partners supporting?
					c. Does the ACTD address J oint and Navy Needs (J CIDS, NCP Gaps, etc.)
					2. FUNDING IS IDENTIFIED, AVAILABLE AND COMMITTED
					a. Have Navy (and other) Program Elements been identified and committed?
					b. Are Program Costs Realistic?
					3. TECHNOLOGY IS SUITABLE FOR NEAR-TERM APPLICATION
					a. Is Technology mature and Available (TRL 6-7+)
					b. Technology is 'new' and does NOT duplicate existing systems
					c. Does the ACTD technology build on FNC Enabling Capabilities
					d. Is the Technical Plan and schedule realistic?
					4. CONCEPT IS OPERATIONALLY FEASIBLE AND SUITABLE
					a. Is the ACTD consistent with future CONOPS
					b. Does the ACTD support future equipment development and employment plans?
					c. Does the ACTD map to the Sea Trial CD&E Plan?
					5. THE ACTD HAS A STRONG TRANSITION PLAN
					a. Is the ACTD Transition Strategy clear and in support of joint objectives?
					b. If this is a new technology, has a PEO or Program Manger been established?
					6, RESIDUALS HAVE BEEN PLANNED AND FUNDED
					a. Is the EUE laid out well, with and residual systems planned ?
					b. Is training and logistics support provided for?
					7. THIS ACTD IS A POTENTIAL CANDIDATE FOR FY07
					a. Is Navy support Confirmed, Probable (TBD), or Uncommitted?
					b. Are Issues identified likely to be resolved?

Navy vs. USMC Process

- Marine Corp has own process
- Navy and Marine Corp rank separately
- ASN(RDA) provides both lists to DUSD(AS&C) under single cover letter
- USMC input into Navy call letter

USMC ACTD Coordinator
Robert “Mac” McKinney
MCWL
(703) 784-1339
Robert.mckinney.ctr@usmc.mil

FCB/JCB/JROC Process

- Validate joint warfighting requirement
- Criteria:
  - Fills joint/coalition gap
  - Technical maturity
  - No parallel efforts
- N8F13 interfaces with FCB/JCB
  - Informs reps of Navy supported candidates

Engagement with JCB representatives is crucial

Joint Capability Areas
Mapped to Current & Working Joint Functional Concepts

Battlespace Awareness
Battlespace Awareness

Joint Command & Control
Command & Control
Interagency Coordination
Public Affairs Operations

Focused Logistics
Logistics

Protection
Protection
Civil Support

Force Management
Force Management

Force Application
Strategic Deterrence
Shaping & Security Cooperation
Homeland Defense
Access & Access Denial Operations
Air Control Operations
Space Control Operations
Maritime/Littoral Control Operations
Land Control Operations
Non-Traditional Operations
Information Operations
Stability Operations

Training
Force Generation

Net-Centric Environment
Network Operations

Do's & Don'ts – An OPNAV Perspective

- Do…
  - Submit proposals requesting Navy lead or funding to ONR to compete in Navy process.
    - Navy will not support to OSD if Navy process is bypassed
  - Keep N8F13 informed of interaction with OPNAV sponsors
    - If I'm not aware of OPNAV support, I can't be a proponent
  - Get consensus between OPNAV resource sponsor and PM regarding funding and transition
    - We need to know that **both** concur with the level of support

- Don't…
  - Submit proposal directly to OSD if requesting Navy funding or participation
    - Navy will not support to OSD if Navy process is bypassed
  - Place a PE on a funding chart unless sponsor is committed

After Approval

Mr. John Blewett, ONR

Advanced Concept Technology Demonstrations (ACTDs) and Joint Capability Technology Demonstrations (JCTDs)

ACTD/JCTD Training
Post Approval Actions

Presentation Summary

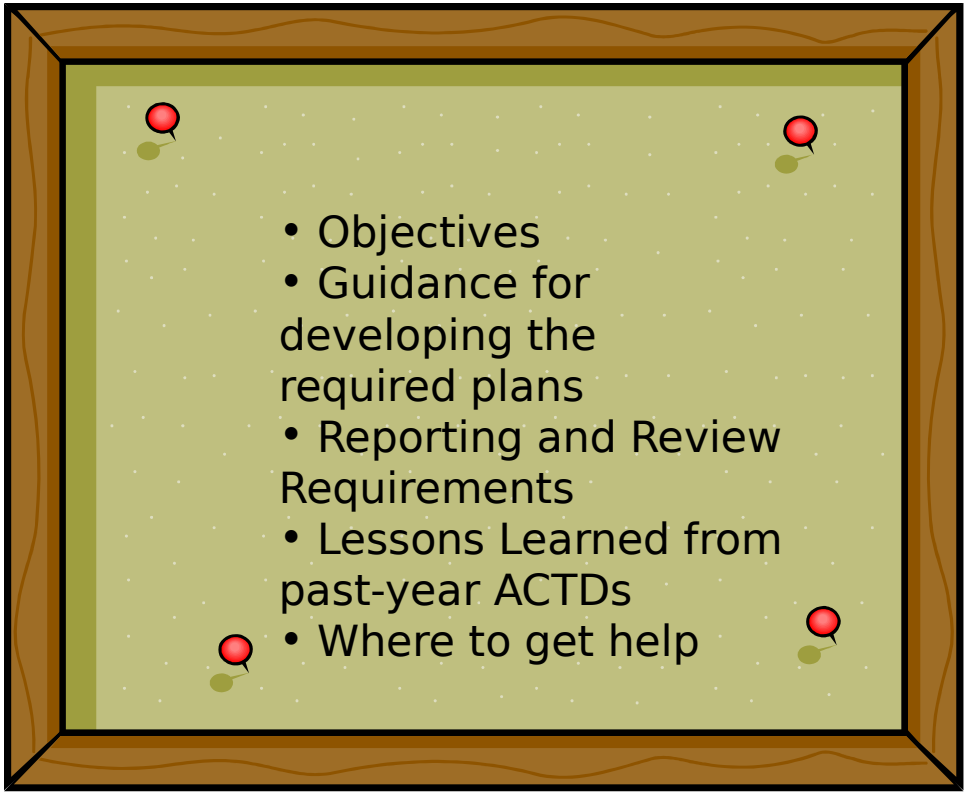
Many ACTD/JCTD proposal submitters don't know of the required actions that need to be taken based on where they are in their project. This presentation helps clear those doubts.

ONR ACTD Office
July 2006
http://www.onr.navy.mil/actd

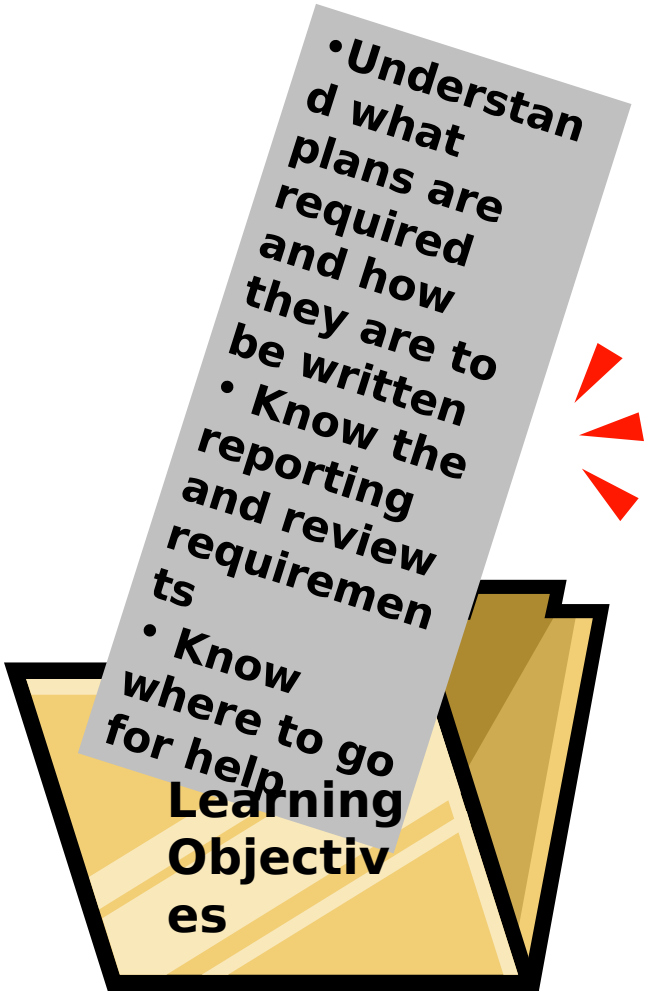
ACTD/JCTD Training
Post Approval Actions

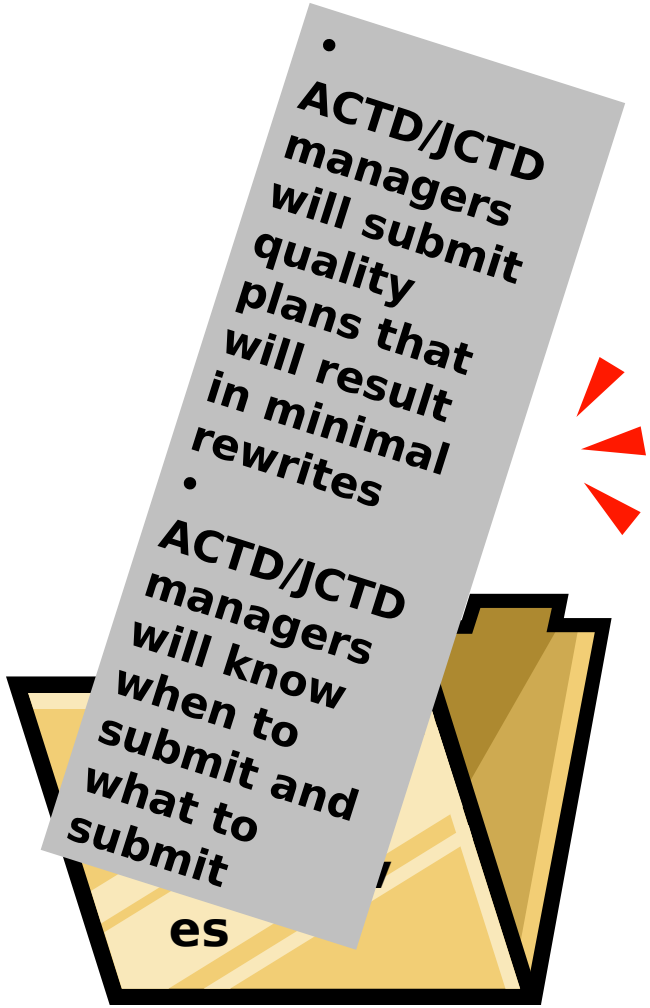
Many ACTD/JCTD proposal submitters don't know of the required actions that need to be taken based on where they are in their project.

This lesson contains the following topics:


• Objectives
• Guidance for developing the required plans
• Reporting and Review Requirements
• Lessons Learned from past-year ACTDs
• Where to get help

ACTD/JCTD Training
Post Approval Actions


•Understand what plans are required and how they are to be written
• Know the reporting and review requirements
• Know where to go for help
Learning Objectives


•
ACTD/JCTD managers will submit quality plans that will result in minimal rewrites
•
ACTD/JCTD managers will know when to submit and what to submit
es

ACTD/JCTD Training

Post Approval Actions- Guidance for Developing the Required Doc.s

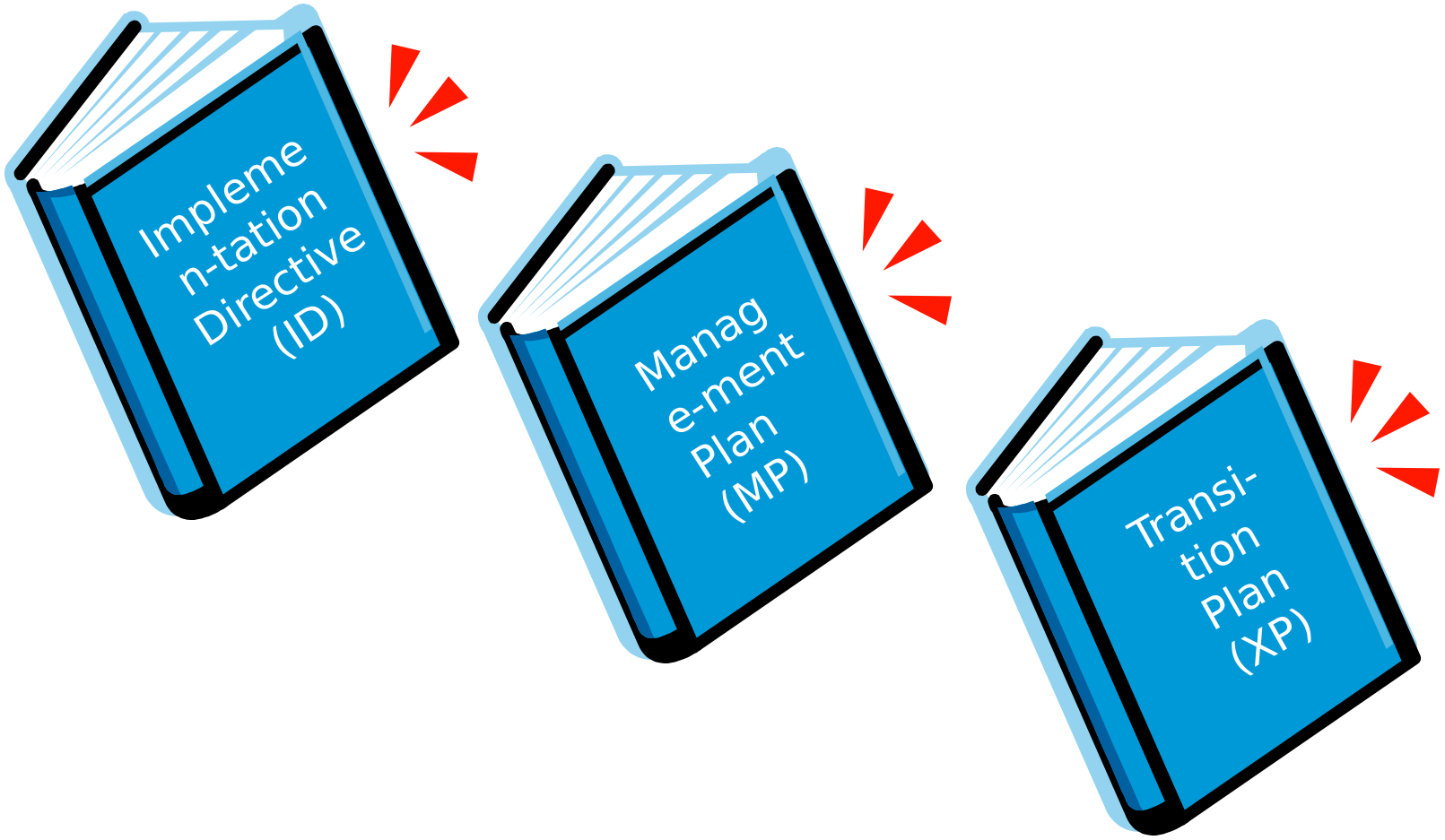
This section will:

- Identify the required documents
- State the purpose of each
- How each is used
- Identify the required sections for each
- Give the timeline for the development of each
- State the impact of approval of each

ACTD/JCTD Training

Post Approval Actions- Guidance for Developing the Required Doc.s

The basic documents required for each ACTD/JCTD project are:



ACTD/JCTD Training

Post Approval Actions- Guidance for Developing the Required Doc.s

Implementation Directive (ID)

- What is it? How is it used?

"An "Implementation Directive" is required to clarify the roles and responsibilities of the various parties executing the ACTD and to provide unambiguous top level guidance, prior to approval of an ACTD. This document is envisioned as a succinct agreement which defines the operational capability to be demonstrated, the general approach, the agencies responsible for planning and conducting the demonstration, a notional approach to transition assuming a positive acquisition decision, and the approximate funding and schedule."

OSD ACTD/JCTD Website
http://www.acq.osd.mil/actd/implment.htm

- How long should it be?

An ID should no more than eight (8) pages long.

ACTD/JCTD Training

Post Approval Actions- Guidance for Developing the Required Doc.s

Implementation Directive (ID)

- Required Sections:
  - Approvals
  - Introduction
  - Background
  - Goals, Objectives, and Approach
  - Key Participants and Responsibilities
  - Operational Parameters
  - Residual Capabilities and Transition Objectives
  - Schedule
  - Funding
  - Management Plan, direction to complete
  - List of ACRONYMS
  - References

ACTD/JCTD Training

Post Approval Actions- Guidance for Developing the Required Doc.s

Implementation Directive (ID)

- Timeline for the ID:

"The draft Implementation Directive should be provided to AS&C upon formal approval of the ACTD. Staffing and final signatures of the ID occurs during the Congressional Notification period. The final signature by the DUSD/AS&C constitutes formal approval for initiation of an ACTD and will trigger transfer of OSD funds to the executing agent"

OSD ACTD/JCTD Website
http://www.acq.osd.mil/actd/implment.htm

- What does that mean?
  - A draft ID should be developed as the proposal is developed
    - It should be submitted for approval signatures as soon as possible after approval of the A/JCTD
      - Navy approval by
        - DASN (RDT&E)
        - Resource sponsors (normally OPNAV and/or CNR)
    - Funding does NOT begin until the ID is approved

ACTD/JCTD Training

Post Approval Actions- Guidance for Developing the Required Doc.s

Management Plan (MP)

- What is it? How long should it be?

The principal management tool for the ACTD is the ACTD Management Plan. A tenet of the ACTD philosophy is to maintain a flexible approach to the advanced development process and to avoid excessive rigidity and formality in documentation and process. Hence, it is intended that this Management Plan be an executive-level document (preferably less than 25 pages), written in informal language. The Management Plan will generally be drafted jointly by the primary acquisition and user organizations for the ACTD, with assistance from other participants. The Management Plan is a plan; it is not intended to be immutable, as modifications may be warranted from time to time. However, all substantive (i.e., schedule, funding, content, objectives) changes require approval and documentation by the Oversight Group

OSD ACTD/JCTD Website
http://www.acq.osd.mil/actd/mngtplan.htm

ACTD/JCTD Training

Post Approval Actions- Guidance for Developing the Required Doc.s

Management Plan (MP)

- How is it used?

The ACTD Management Plan provides for each ACTD a top-level description of the demonstration with sufficient detail that the vital objectives, approach, critical events, participants, schedule, funding, and transition objectives are understood and (by endorsement) agreed upon by all relevant parties. Measures of evaluation, to be considered in addressing both effectiveness and suitability of the capability being evaluated, should be clearly defined.

OSD ACTD/JCTD Website
http://www.acq.osd.mil/actd/mngtplan.htm

ACTD/JCTD Training

Post Approval Actions- Guidance for Developing the Required Doc.s

Management Plan (MP)

- Required Sections:
  - Approvals
  - Endorsements
  - Introduction/Objective
  - Overall Approach
  - Programmatic and Organization Approach
  - Development Strategy
  - Assessment Strategy
  - Transition Strategy
  - List of ACRONYMS
  - References

Note: each one of the above sections has a number of subsections. They will be discussed by the instructor. They are also discussed at http://www.onr.navy.mil/sci_tech/3t/actd_review/docs/060503_mp_guidelines.doc

ACTD/JCTD Training

Post Approval Actions- Guidance for Developing the Required Doc.s

Management Plan (MP)

- Timeline for the MP:

The approved MP is due 90 days after ID final approval.

- What does that mean?
  - A draft MP should be developed as the proposal is developed
  - The MP should be submitted for approval signatures as soon as possible after approval of the ID

ACTD/JCTD Training

Post Approval Actions- Guidance for Developing the Required Doc.s

Transition Plan (XP)

- What is it? How is it used?

  Transition planning involves all activities required to achieve a smooth hand-off of developed tools and services to the transitioning Program of Record (POR). Of particular importance is the early development of post-ACTD funding requirements and the subsequent work required to submit a Program Objective Memorandum (POM) for necessary funding. The critical objective of transition is to coordinate the hand-off of capabilities identified as militarily useful into the formal acquisition process for the appropriate systems of record. The Transition Manager (XM) will coordinate transition planning activities with the PMO for each of the identified systems. As part of the transition process, each program will need to determine which capabilities it will adopt, then begin to plan for fielding and support of those capabilities. Target residual capabilities will be identified in a Transition Plan. Once a program office identifies its need to integrate or interface with selected components, that office should begin budget planning and POM for required funding. A Transition IPT should oversee all of the above activity and develop the Transition Plan.

- How long should it be?

  An XP should be a long as needed.

ACTD/JCTD Training

Post Approval Actions- Guidance for Developing the Required Doc.s

Transition Plan (XP)

- Required Sections:
  - Recommend Transition Options/Paths
  - Identify Mechanism to Support Transition
    - Oversight Charter
    - Transition Cell, IPT Charters, Integration into Capability Roadmaps
  - Roles and Responsibilities *during Transition and after IOC (ORD, CRD, DOTMLPF, Force Mix, Force Integration, Manning, Equipping, Training, Funding, Support)*
    - Combatant Command Sponsor
    - DUSD-AS&C
    - Lead Service/Agency
    - Residual Operations/Fielding
    - Program Office
  - Issues: Doctrinal, TT&P, Programmatics, DOTMLPF, etc.
  - Signatories (Management Plan - Level Document)

ACTD/JCTD Training

Post Approval Actions- Guidance for Developing the Required Doc.s

Transition Plan (XP)

- Timeline for the XP:

"Transition Plans are prepared by the ACTD's transition manager, who is usually part of the program of record to which the project's products will transition. Transition plans would be prepared before the MUA is complete, because the transition must be planned for early to hope for POM support ."

Larry Goodell, OSD-ATL;
email Fri 6/2/2006

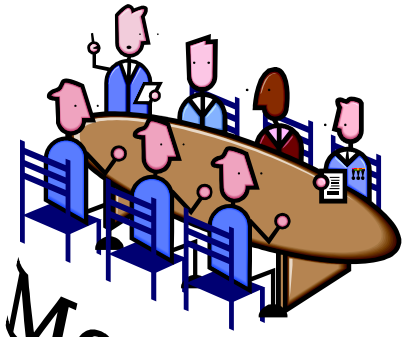
- "1st Draft at midpoint of ACTD
  - Final Plan 4-6 months prior to end of Demo Phase
    - Brief to COCOM Sponsor, DUSD, Program Office, Lead Service/Agency"

Terry L. Mitchell, ADUSD
DAU ACTD Course, 04/2006

- What does that mean?
  - A draft XP should be developed as the ACTD/JCTD is developed

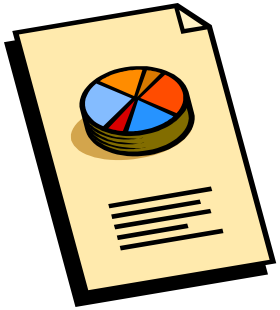
ACTD/JCTD Training

Pre and Post Approval Actions- Reporting and Review Requirements



Meetings

- Program Review (formerly Breakfast Club)
  - Held in Jan/Feb timeframe
  - Introduces new proposals
- Navy Execution Review
  - Held in March at ONR
  - Reviews active Navy ACTDs
  - Briefing template on website
- ACTD/JCTD Manager's Conference
  - Held in September at Ft Belvoir
- COCOM Conferences
  - OSD/COCOM review of ACTDs
  - Annually at sponsoring COCOM



Reports

- ACTD Status Template
  - due Feb 15 and Aug 15
  - template provided on ONR website
  - sample

Schedules

- Schedule updates
  - meeting briefs
  - post-approval documents

Other Training

OSD Manager's Workshop (Sept)
POC: daniel.petonito.ctr@osd.mil

JFCOM (Apr, OM focus)
POC: gregory.koumbis@jfcom.mil

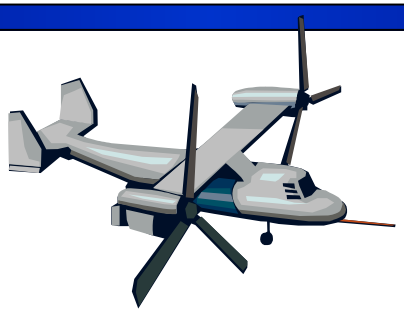
DAU Training (Qrtly, TM/XM focus)
POC: Toina.Hovington.ctr@osd.mil

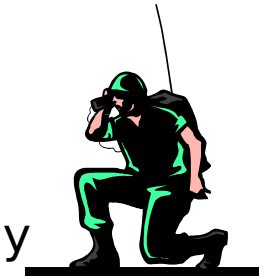
Collaborative Workshop (proposal focus)
POC: John.Yuhas@osd.mil

ACTD "Boot Camp" (Mgt Plan focus)
POC:

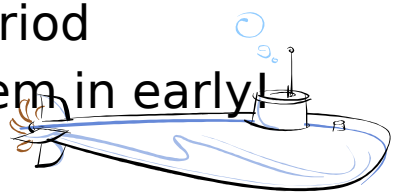
ACTD/JCTD Training

Pre and Post Approval Actions- Keys to Success





- Get started on ID & Mgmt Plans right away
- Get the right players on your ACTD Team
- Use your OE & Oversight Group for issue handling before they get too big!
- Plan Transition early with right players & insert POM
- OM – Think Demo & MUA early
- TM/OM/XM/OE – Cohesive Team that meets regularly
- Use the FCBs… Keep them informed (OE)
- Ensure ‘bridge’ plan for residual period
- Use the UFRETS Program… Get them in early!



ACTD/JCTD Training

Post Approval Actions- Where to get Help

Internet Help

ONR ACTD Web Site
http://www.onr.navy.mil/actd
http://www.onr.navy.smil.mil/actd

OSD Web Site
http://www.acq.osd.mil/actd/index.htm

KIMS
https://kims.jpsd.belvoir.army.mil/actd/web/KIMSHome.as

Phone Help

ONR ACTD Director, 703-696-3158
ONR ACTD Coordinator, 703-696-9774
KIMS Project Manager, 703-803-1764

Points of Contact
(Navy ACTD Program)

DASN (RDT&E)

Dr. Michael McGrath: DASN

Ms. Karen Lane: Assistant for Technology Transition

(301) 904-2273

ONR

RADM Landay: CNR

Dr. Joseph Lawrence: Associate Technical Director

Mr. John Barkley: ACTD/JCTD Director

Mr. John Blewett: ACTD/JCTD Coordinator

(703) 696-9774

OPNAV (Technology Experimentation And Doctrine Integration Branch)	NAVAL WARFARE DEVELOPMENT COMMAND (NWDC)	MARINE CORPS WARFIGHTING LAB (MCWL)
Mr. Pete Wolt:	Mr. Peter St. Jacques:	Robert “Mac” McKinney:
(703) 693-2710	(401) 841-4842	(703) 784-1339
Pete.wolt@navy.mil		robert.mckinney.ctr@usmc.mil

Questions and Discussion

Backup

FY06 ACTD/JCTD Selection

COCOM/Service support: 10 first choices, 10 second choices, 7 third choices

	1st	2nd	3rd	
CENTCOM		**X**		
EUCOM				**X**
JFCOM		**X**		
NORTHCOM	**X**	**X**	**X**	
PACOM	**X**	**X**	**X**	
SOCOM	**X**	**X**	**X**	
SOUTHCOM	**X**			
STRATCOM	**X**	**X**		
TRANSCOM	**X**	**X**	**X**	
Army	**X**	**X**		
Navy	**X**	**X**	**X**	
AF	**X**			
USMC	**X**	**X**	**X**	

FCB Coverage	
BA	5
CC	0
NC	2
FA	0
FL	3
FP	0

ACTD Program Accomplishments

- **Total ACTDs Initiated Since 1995 144**
  - **Total Completed to Date 80 56%**
  - **Total Active 62 43%**
  - **Total On Hold 2 1%**
  - **Total Return to Tech Base 19 13%**
- **Completed ACTDs (since 95) 80**
  - **To Program of Record 36 45%**
  - **To Residual Support 26 33%**
  - **Return To Tech Base 19 24%**
- **Active ACTDs 62**
  - **To Program of Record 7 12%**
  - **To Residual Support 4 7%**

78% of ACTDs have at least 1 transition to long term use (some have both POR *and* residual use)

FY06 ACTDs and JCTDs

1. Comprehensive Maritime Awareness (CMA) JCTD
2. CHAMPION (Counter Intelligence-Human Intelligence Advanced Modernization Program/Intelligence Operations Now) JCTD
3. Extended Space Sensors Architecture (ESSA)
4. Joint Modular Intermodal Distribution System (JMIDS) JCTD
5. Large Data JCTD
6. Multi-service Advanced Sensors to Counter Obscured Targets (MASCOT)
7. Joint Enable Theater Access (JETA)
8. Event Management Framework (EMF)
9. Node Management And Deployable Depot (NOMADD)
10. Small UAV

Org Logo Here Res <100KB

Title of Project (Arial Bold 24 pt)

Organization/Code (Arial 24 pt)

Return to pg 1

TECHNICAL AND BUSINESS READINESS

- Max of five 1-line bullets on capability
- Opportunity to provide additional details to those on quad
- Additional fidelity to tech and business readiness
- (All above Arial 12 pt)

TRANSITION SUMMARY

- Max of five 1-line bullets on capability
- Opportunity to provide additional details to those on quad
- Focused on Transition
- (All above Arial 12 pt)

TECHNOLOGY TRANSITION PROGRAMMATICS

	FY 06	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	Total
Source	**Transition Funding ($M)**										
DASN(RDT&E) RTT PE: 0203761N	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000
Source 2 & PE #	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000
Sub-Total	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000
Source	**Integration Funding ($M)**										
PoR- XXX & PE #	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000
Source 2 & PE #	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000
Sub-Total	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000
Source	**Procurement Funding ($M) and Quantity to be Procured**										
PoR- XXX & PE #	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000
QTY											
Sub-Total	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000
TOTAL	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000

Organization	Milestone Task	Required Funding ($M)							
		FY 06	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	Total
PMS-XXX	Contract Approval	$X.000							$X.000
NSWCCD	Development	$X.000							$X.000
NAVSEA O5X	Test & Evaluation		$Y.000						$Y.000
NAVSEA O5X	Certification Award		$Y.000						$Y.000
PMS-XXX	S T E		$Y.000						$Y.000
PEO- X	1st Procurement			$Z.000	$Z.000	$Z.000	$Z.000	$Z.000	$Z.000
PMS-XXX	1st Deployment				$Z.000				$X.000
	Total	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000

N8F13 Coordinates OPNAV ACTD Program

- N8F13 ensures OPNAV requirements and resources
- N8F13 socializes all ACTD submissions
  - N80 Pillar concurrence and assessment required
  - Flag endorsement of PEs required (or offset identified)
  - N8F13 handles OPNAV interfaces (OSD, Services, DASN)
  - N8F13 coordinates with FCB Navy POCs
    - JROC validates OSD ACTD selections – N81 staffs

ACTD Roles & Responsibilities

- **Oversight Group –** Chaired by DUSD(AS&C) or rep, includes each co-sponsoring user and development organization, and the Joint Staff. Provides forum to identify and address issues, approves substantive deviations from the Management Plan and receives results of military utility assessment (MUA) prior to conclusion of demo phase.

- **Executing Agent –** Lead development organization (service acquisition or defense agency). Generally provides significant portion of funding. Performs day-to-day management, including financial management. Designates technical manager. Member of Oversight Group.

- **User Sponsor -** Provides context, operational mission and scenarios, participants and equipment, a MUA, and recommendation for follow-on action. Designates operational manager. Member of Oversight Group.

- **ACTD Managers –** Identified by name in Management Plan. Provide periodic reports to the Oversight Group.
  - Technical Manager - day-to-day execution
  - Operational Manager – day to day execution
  - Transition Manager - orchestrate transition planning and execution

NAVY FCB POCs

FCB (703)	POC	PHONE
FA -	CDR Bryan Clark, N81	695-4887
BA -	CDR Tom Harvan, N6F	601-1451
FP -	CDR Eric Moss, N81	614-0127
C2 -	CAPT James Huck, N6	601-1262
NC -	CAPT Anne Westerfield, N6	601-1221
FL -	CAPT Bernard Dunn, N41	604-9954
FM -	CAPT Martin Simon, N3/5	692-1942
JT -	CAPT Ken Harvey, N43	601-1679

JCIDS impact on ACTDs

Functional Capabilities Boards (FCBs)

An FCB is an advisory body to the Joint Capabilities Board and Joint Requirements Oversight Council for JCIDS (Joint Capabilities Integration and Development System) initiatives considered to be of Joint Interest. Topics are 'binned' by functional area to one of eight FCBs: Command and Control (C2), Net Centric (NC), Force Application (FA), Battlespace Awareness (BA), Protection (FP), Force Management (FM), Focused Logistics (FL), and Joint Training (JT). N6/N7 represents the Navy on all FC[illegible] Logistics (N4), Force Management (N3), and Joint [illegible]

Each FCB chaired by 2-star GOFO. Initial ACTD review & ranking

Each FCB briefs J8 with recommended ACTD ranking for approval. JCB conducts JCB hub trip to attain COCOM input prior to final ranking.

Joint Capabilities Board (JCB)

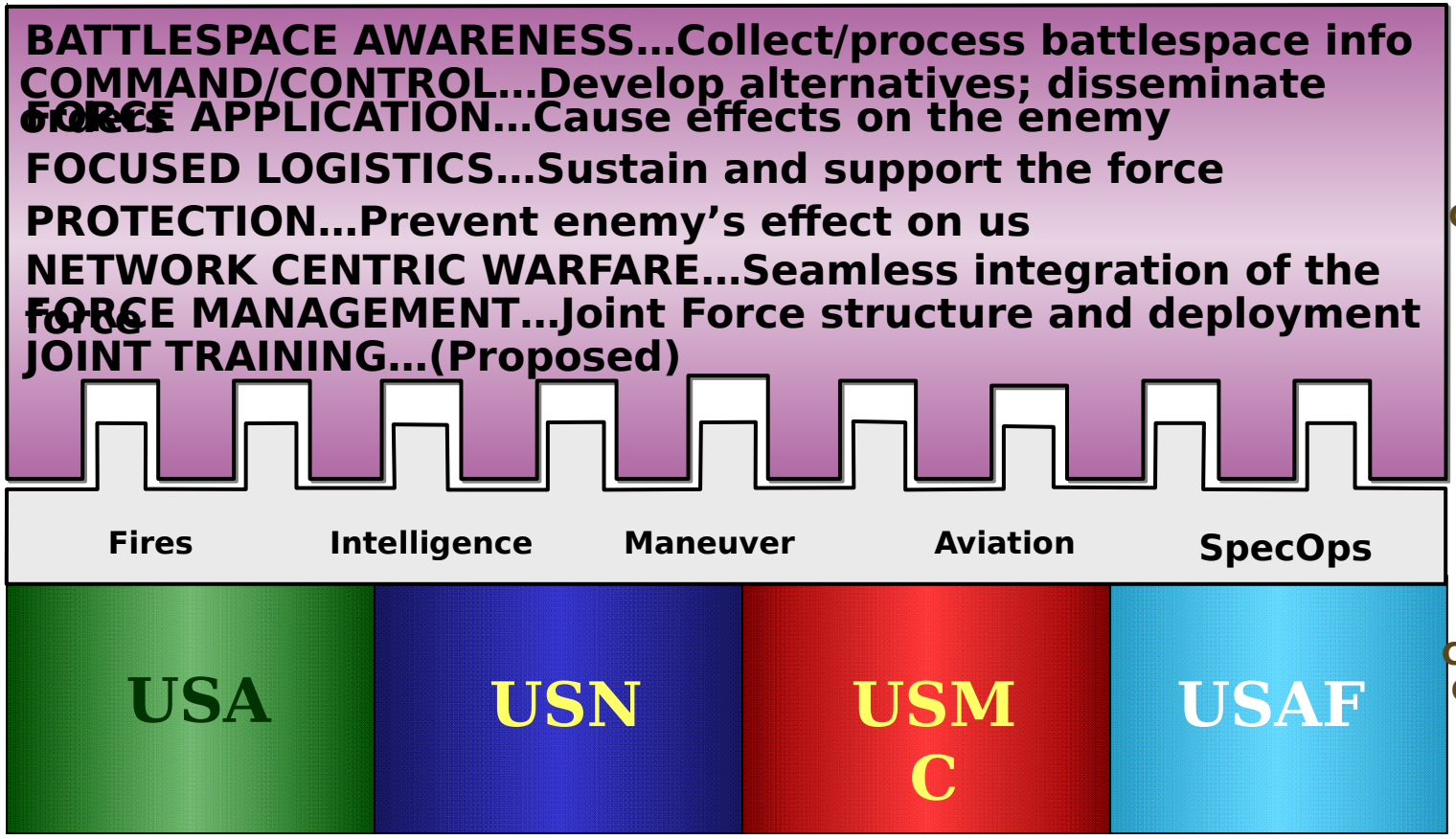
The JCB reviews and, if appropriate, endorses all JCIDS and DOTMLPF proposals prior to their submission to the JROC. Chaired by the J8, VADM Chanik, and is comprised of Flag or General Officer representatives of the services. Navy is represented by RDML Cox, N81D.

Joint Requirements Oversight Council (JROC)

Assists the CJCS in identifying and assessing joint requirements and priorities for current and future military capabilities, forces, programs, and resources, consistent with the National Military Strategy and the total resource levels projected by the Secretary of Defense in the DPG and fiscal guidance. The Vice Chairman of the Joint Chiefs of Staff (VCJCS), Gen Pace, typically chairs the JROC. Navy is represented by the Vice Chief of Naval Operations,

JROC approves DUSD ACTD rankings prior to OSD AT&L.

Joint Capabilities Model



Ranking Considerations

- Relative importance of the problem being addressed
- Funding Posture
- Joint-ness
- Technology Readiness
- Transition Potential
- Service Priorities (Air Force, Army, Marine Corps)
- COCOM Priorities (Where/When Known)
- Professional opinion and judgment

Note: Navy review and ranking team composition:

DASN(RDT&E)
ONR
OPNAV